

**Notice of Allowability**

Application No.

10/530,309

Examiner

Jaime M. Holliday

Applicant(s)

BAKRI, BAN AL

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed July 10, 2007.
2. ☒ The allowed claim(s) is/are 1-25.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

***Response to Amendment***

***Response to Arguments***

1. Applicant's arguments, see REMARKS, filed July 10, 2007, with respect to claims 1-24 have been fully considered and are persuasive. The U.S.C. 112, second paragraph of claims 1-24 has been withdrawn.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Replace the current claim identifier of claim 25 with "previously presented."

***Allowable Subject Matter***

3. **Claims 1-25** are allowed, and they are renumbered **1-9, 11, 10, 12-14, 16-13, 15, 24 and 25**, respectively.
4. The following is an examiner's statement of reasons for allowance:

Consider claims 1 and 25, the most relevant prior art of record, Jagadeesan (US 7,003,298) in view of Ahmavaara et al. (US 2003/0169725 A1), and in further view of Noguera-Rodriguez et al. (US 6,687,249), fail to disclose placing a first connection on hold, handing over a second connection, then putting the second connection on hold while placing the first connection in an active state within a second communication system.

Jagadeesan clearly shows and discloses devices, softwares and methods that handoff a live call from an original leg of a first modality to an alternate leg of another modality (abstract). A signal to begin handoff is transmitted over the original leg (first connection) and a telephone call is made to establish connection (A method of handing over a plurality of connections of a subscriber unit from a first cellular communication system supporting the plurality of connections of the subscriber unit to a second cellular communication system having capability for supporting only one connection), (col. 7 lines 35-45). A handoff call is made to the access address; the handoff call is made responsive to the receiving the address signal (forming a handover connection to the subscriber unit through the second cellular communication system), (col. 7 lines 55-65). The alternate leg of the telephone call connection is established from the handoff the alternate leg is coupled with the voice channel (a second connection) (handing over a second connection of said plurality of connections to the second cellular communication system by associating the second connection with said handover connection), (col. 7 lines 60-67).

Ahmavaara et al. clearly show and disclose an intersystem change from a UMTS network to a GPRS network for simultaneous circuit switched and packet switched connection mode may take place e.g. when a UMTS to GSM handover is performed to the CS connection for a mobile station (MS) that is in a mode where the packet connections have resources allocated for the radio, RNC and lu functions thereof (method of handing over a plurality of connections of a subscriber unit from a first cellular communication system supporting a plurality of connections of the subscriber unit to a second cellular communication system having capability of supporting only one connection). In this case a mobile station in the class-A mode of operation may initiate a GPRS routing area update (RAU) procedure and a mobile station in the class-B mode of operation may initiate a GPRS routing area update procedure only after the CS connection is released in order to continue with the PS connections. The class-A mode refers to a mobile station that may handle simultaneously both the packet switched and circuit switched connections. Although the class-B mode mobile station may also provide simultaneous support for the packet switched and circuit switched connections, it may need to put the other connection on hold for the time it is processing the other connections. For example, the class-B station may not be able to receive or transmit any new data packets while it is communicating through a circuit switched connection (entering at least a first connection of said plurality of connections into a holding state).

Noguera-Rodriguez et al. clearly show and disclose the a CNRNC interface has been transferred from the old SRNC to the new SRNC and the new SRNC is responsible for reconfiguring the network diversity legs and the old SRNC conveys the

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destination address and binding information required to reconfigure the network diversity legs (forwarding all connections directly from the first communication system to the second communication system and entering at least a first connection of said plurality of connections into a holding state being directed by the second communication system), (col. 4 lines 15-65, col. 1 lines 28-37).

Jagadeesan, Ahmavaara et al. and Noguera-Rodriguez et al., however, lack the claimed limitations of "entering at least a first connection of said plurality of connections into a holding state directed by the second communication system" and "entering said at least first connection into an active state by switching the at least first connection with the handover connection while placing the previously active second connection on hold," therefore these limitations, in conjunction with the other limitations recited in claims 1 and 25, are novel and unobvious in view of the combination of Jagadeesan, Ahmavaara et al. and Noguera-Rodriguez et al.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jaime M. Holliday whose telephone number is (571)

272-8618. The examiner can normally be reached on Monday through Friday 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jaimie Holliday

Patent Examiner

  
JOSEPH FEILD  
SUPERVISORY PATENT EXAMINER